A. CLASSIFICATION OF SUBJECT MATTER
IPC 7   G06T7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7   G06T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	RUZENA BAJCSY ET AL: "MULTIRESOLUTION ELASTIC MATCHING" COMPUTER VISION GRAPHICS AND IMAGE PROCESSING, ACADEMIC PRESS, DULUTH, MA, US, vol. 46, no. 1, 1 April 1989 (1989-04-01), pages 1-21, XP000050309 abstract, sections 2.2, 2.2.1, 2.2.2, 2.2.3	1-4,6-8
X	ALEXANDER D ET AL: "Elastic matching of diffusion tensor MRIs" PROC. IEEE CONF., vol. 1, 23 June 1999 (1999-06-23), pages 244-249, XP010347663 abstract, sections 3, 4, 4.1, 4.2, 4.3, 5.2	1-4,6-8

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| [X] | Further documents are listed in the continuation of box C. | | [ ] | Patent family members are listed in annex. |

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Date of the actual completion of the international search	Date of mailing of the international search report
3 March 2005	31/03/2005

| Name and mailing address of the ISA
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DANIEL RUECKERT: "NONRIGID REGISTRATION: CONCEPTS, ALGORITHMS AND APPLICATIONS" 2001, CHAPTER 13, PAGES 281-301 IN BOOK "MEDICAL IMAGE REGISTRATION", EDITORS HAJNAL J. ET AL., CRC PRESS, BOCA RATON, ISBN 0-8493-0064-9 , XP002319920 section 13.2.3	1-4,6-8
X	DAVATZIKOS C: "SPATIAL TRANSFORMATION AND REGISTRATION OF BRAIN IMAGES USING ELASTICALLY DEFORMABLE MODELS" COMPUTER VISION AND IMAGE UNDERSTANDING, ACADEMIC PRESS, US, vol. 66, no. 2, 1 May 1997 (1997-05-01), pages 207-222, XP000656225 ISSN: 1077-3142 abstract, sections II.B.3, II.C	1-4,6-8
A	ROHR, KARL: "Spline Based Elastic Registration" PAMM, PROC. APPL. MATH. MECH., vol. 3, 28 November 2003 (2003-11-28), pages 36-39, XP002319919 WILEY INTERSCIENCE, WEINHEIM DOI: 10.1002/pamm.200310310 section 4	1-8